

Day : Wednesday

Date: 11/30/2005

Time: 16:45:43

PALM INTRANET

**Inventor Name Search Result**

Your Search was:

Last Name = LENTRICHIA

First Name = BRIAN

| Application#    | Patent#        | Status | Date Filed | Title   | Inventor Name        |
|-----------------|----------------|--------|------------|---|----------------------|
| <u>09825482</u> | Not Issued     | 71     | 04/03/2001 | Detection and typing of human papillomavirus using PNA probes                           | LENTRICHIA, BRIAN    |
| <u>10053349</u> | <u>6939672</u> | 150    | 01/15/2002 | NUCLEIC ACID EXTRACTION SOLUTION AND USE THEREOF  | LENTRICHIA, BRIAN    |
| <u>10286387</u> | <u>6936443</u> | 150    | 11/01/2002 | DETECTION AND TYPING OF HUMAN PAPILLOMAVIRUS USING PNA PROBES                           | LENTRICHIA, BRIAN    |
| <u>10323188</u> | Not Issued     | 71     | 12/18/2002 | Detection and typing of human papillomavirus using PNA probes                           | LENTRICHIA, BRIAN    |
| <u>10738018</u> | Not Issued     | 30     | 12/17/2003 | Novel method for the detection of cancer biomarkers in cervical specimens               | LENTRICHIA, BRIAN    |
| <u>11185148</u> | Not Issued     | 19     | 07/20/2005 | Nucleic acid extraction solution and use thereof  | LENTRICHIA, BRIAN    |
| <u>60194304</u> | Not Issued     | 159    | 04/03/2000 | DETECTION AND TYPING OF HUMAN PAPILLOMAVIRUS USING PNA PROBES                           | LENTRICHIA, BRIAN    |
| <u>60261845</u> | Not Issued     | 159    | 01/15/2001 | Nucleic acid extraction solution and use thereof  | LENTRICHIA, BRIAN    |
| <u>10618443</u> | Not Issued     | 30     | 07/11/2003 | Methods, compositions and apparatuses for detecting a target in a preservative solution | LENTRICHIA, BRIAN B. |
| <u>10671929</u> | Not Issued     | 41     | 09/25/2003 | Apparatus and method for separating viral particles from cells                          | LENTRICHIA, BRIAN B. |
| <u>10672914</u> | Not Issued     | 71     | 09/25/2003 | Analyte sample detection  | LENTRICHIA, BRIAN B. |
| <u>60225524</u> | Not Issued     | 159    | 08/15/2000 | Use of blocking probes in assaying a genetic sample for                                 | LENTRICHIA, BRIAN B. |

|                 |                |     |            |   |                      |
|-----------------|----------------|-----|------------|---|----------------------|
|                 |                |     |            | high-risk strains   |                      |
| <u>60637558</u> | Not Issued     | 20  | 12/20/2004 | Method for the simultaneous detection of HPV RNA and DNA in a sample                          | LENTRICHIA, BRIAN B. |
| <u>06733688</u> | <u>4720465</u> | 150 | 05/14/1985 | CENTRIFUGAL KINETIC AGGLUTINATION ASSAY   | LENTRICHIA, BRIAN B. |
| <u>06733689</u> | <u>4721681</u> | 150 | 05/14/1985 | IMMUNOASSAY IN CENTRIFUGAL FIELD WITH COMPLEMENTARY PARTICLES OF DIFFERING SPECIFIC GRAVITIES | LENTRICHIA, BRIAN B. |
| <u>06819095</u> | Not Issued     | 161 | 01/15/1986 | SPECIFIC BINDING ASSAY EMPLOYING ENZYME ON PARTICLES  | LENTRICHIA, BRIAN B. |
| <u>06840791</u> | <u>4960692</u> | 250 | 03/18/1986 | ASSAY EMPLOYING BINDING PAIR MEMBERS ON PARTICLES AND ON A FILTER OR MEMBRANE                 | LENTRICHIA, BRIAN B. |
| <u>07299058</u> | Not Issued     | 161 | 01/19/1989 | BINDING ASSAY WITH LIQUID/SOLID PHASE BINDING STEP  | LENTRICHIA, BRIAN B. |
| <u>07369632</u> | Not Issued     | 161 | 06/22/1989 | BINDING ASSAY WITH PARTICLES TRAPPED BY AND RESUSPENDED FROM FILTER                           | LENTRICHIA, BRIAN B. |

Inventor Search Completed: No Records to Display.

|                                 |   |                                    |               |
|---------------------------------|---|------------------------------------|---------------|
| <b>Search Another: Inventor</b> | <b>Last Name</b>                        | <b>First Name</b>                  | <b>Search</b> |
|                                 | <input type="text" value="lentrichia"/> | <input type="text" value="brian"/> |               |

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Search Results - Record(s) 1 through 18 of 18 returned.

☐ 1. Document ID: US 6534320 B2

L1: Entry 1 of 18

File: USPT

Mar 18, 2003

US-PAT-NO: 6534320

DOCUMENT-IDENTIFIER: US 6534320 B2

TITLE: Process for immunochromatography with colloidal particles

DATE-ISSUED: March 18, 2003

## INVENTOR-INFORMATION:

| NAME                 | CITY         | STATE | ZIP CODE | COUNTRY |
|----------------------|--------------|-------|----------|---------|
| Ching; Shanfun       | Libertyville | IL    |          |         |
| Billing; Patricia A. | Gurnee       | IL    |          |         |
| Gordon; Julian       | Lake Bluff   | IL    |          |         |

US-CL-CURRENT: [436/514](#); [435/5](#), [435/7.92](#), [436/506](#), [436/518](#), [436/524](#), [436/525](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 2. Document ID: US 6242264 B1

L1: Entry 2 of 18

File: USPT

Jun 5, 2001

US-PAT-NO: 6242264

DOCUMENT-IDENTIFIER: US 6242264 B1

TITLE: Self-assembled metal colloid monolayers having size and density gradients

DATE-ISSUED: June 5, 2001

## INVENTOR-INFORMATION:

| NAME              | CITY          | STATE | ZIP CODE | COUNTRY |
|-------------------|---------------|-------|----------|---------|
| Natan; Michael J. | State College | PA    |          |         |
| Baker; Bonnie E.  | Collegeville  | PA    |          |         |

US-CL-CURRENT: [436/171](#); [422/68.1](#), [422/82.01](#), [422/82.02](#), [422/82.03](#), [422/82.05](#), [422/82.08](#), [422/82.09](#), [436/164](#), [436/501](#), [436/514](#), [436/525](#), [436/86](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

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☐ 3. Document ID: US 6168956 B1

L1: Entry 3 of 18

File: USPT

Jan 2, 2001

US-PAT-NO: 6168956

DOCUMENT-IDENTIFIER: US 6168956 B1

TITLE: Multiple component chromatographic assay device

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

| NAME                | CITY         | STATE | ZIP CODE | COUNTRY |
|---------------------|--------------|-------|----------|---------|
| Chandler; Howard M. | W. Vancouver |       |          | CA      |

US-CL-CURRENT: 436/514; 422/56, 422/57, 435/287.1, 435/287.2, 435/6, 435/7.1,  
435/7.92, 435/7.93, 435/7.94, 435/7.95, 435/805, 435/810, 435/970, 436/518, 436/810

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

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☐ 4. Document ID: US 6022477 A

L1: Entry 4 of 18

File: USPT

Feb 8, 2000

US-PAT-NO: 6022477

DOCUMENT-IDENTIFIER: US 6022477 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for isolation purification of biomolecules

DATE-ISSUED: February 8, 2000

## INVENTOR-INFORMATION:

| NAME                | CITY             | STATE | ZIP CODE | COUNTRY |
|---------------------|------------------|-------|----------|---------|
| Luo; Robert G.      | Edison           | NJ    |          |         |
| Sirkar; Kamalesh K. | Berkeley Heights | NJ    |          |         |

US-CL-CURRENT: 210/645; 210/656

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|--------|

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☐ 5. Document ID: US 6017767 A

L1: Entry 5 of 18

File: USPT

Jan 25, 2000

US-PAT-NO: 6017767

DOCUMENT-IDENTIFIER: US 6017767 A

TITLE: Assay device

DATE-ISSUED: January 25, 2000

## INVENTOR-INFORMATION:

| NAME                | CITY           | STATE | ZIP CODE | COUNTRY |
|---------------------|----------------|-------|----------|---------|
| Chandler; Howard M. | West Vancouver |       |          | CA      |

US-CL-CURRENT: 436/514; 422/56, 422/57, 422/58, 422/61, 435/287.7, 435/287.9,  
435/288.4, 435/288.5, 435/7.1, 435/7.2, 435/7.9, 435/7.93, 435/7.94, 435/7.95,  
435/969, 435/970, 435/973, 436/518, 436/524, 436/807, 436/809, 436/810

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 6. Document ID: US 5998220 A

L1: Entry 6 of 18

File: USPT

Dec 7, 1999

US-PAT-NO: 5998220

DOCUMENT-IDENTIFIER: US 5998220 A

TITLE: Opposable-element assay devices, kits, and methods employing them

DATE-ISSUED: December 7, 1999

## INVENTOR-INFORMATION:

| NAME                | CITY           | STATE | ZIP CODE | COUNTRY |
|---------------------|----------------|-------|----------|---------|
| Chandler; Howard M. | West Vancouver |       |          | CA      |

US-CL-CURRENT: 436/514; 422/55, 422/56, 422/58, 422/61, 435/287.1, 435/287.2,  
435/287.7, 435/287.8, 435/287.9, 435/288.5, 435/7.92, 435/7.93, 435/7.94, 435/805,  
435/810, 435/970, 435/973, 435/975, 436/164, 436/169, 436/518, 436/530, 436/807,  
436/808, 436/810

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 7. Document ID: US 5877028 A

L1: Entry 7 of 18

File: USPT

Mar 2, 1999

US-PAT-NO: 5877028

DOCUMENT-IDENTIFIER: US 5877028 A

TITLE: Immunochromatographic assay device

DATE-ISSUED: March 2, 1999

## INVENTOR-INFORMATION:

| NAME                | CITY        | STATE | ZIP CODE | COUNTRY |
|---------------------|-------------|-------|----------|---------|
| Chandler; Howard M. | Yarmouth    | ME    |          |         |
| Piasio; Roger N.    | Cumberland  | ME    |          |         |
| Prouty; Karen       | West Buxton | ME    |          |         |

US-CL-CURRENT: 436/514; 422/56, 422/58, 422/60, 435/287.1, 435/287.2, 435/287.7,  
435/287.9, 435/7.92, 435/7.93, 435/7.94 , 435/7.95, 435/805, 435/810, 435/970,  
435/975, 436/169, 436/501, 436/518, 436/805, 436/810

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KNOW | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 8. Document ID: US 5827749 A

L1: Entry 8 of 18

File: USPT

Oct 27, 1998

US-PAT-NO: 5827749

DOCUMENT-IDENTIFIER: US 5827749 A

TITLE: Ligand assay method

DATE-ISSUED: October 27, 1998

INVENTOR-INFORMATION:

| NAME                   | CITY   | STATE | ZIP CODE | COUNTRY |
|------------------------|--------|-------|----------|---------|
| Akers, Jr.; Raymond F. | Sewell | NJ    |          |         |

US-CL-CURRENT: 436/534; 435/4, 435/5, 435/7.32, 435/7.9, 435/970, 436/523, 436/531,  
436/533, 436/535, 436/538, 436/807, 436/825

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KNOW | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 9. Document ID: US 5686315 A

L1: Entry 9 of 18

File: USPT

Nov 11, 1997

US-PAT-NO: 5686315

DOCUMENT-IDENTIFIER: US 5686315 A

TITLE: Assay device for one step detection of analyte

DATE-ISSUED: November 11, 1997

INVENTOR-INFORMATION:

| NAME                | CITY               | STATE | ZIP CODE | COUNTRY |
|---------------------|--------------------|-------|----------|---------|
| Pronovost; Allan D. | San Diego          | CA    |          |         |
| Bacquet; Cathy A.   | Encinitas          | CA    |          |         |
| Pawlak; Jan W.      | Cardiff-by-the Sea | CA    |          |         |
| Sand; Theodore T.   | Poway              | CA    |          |         |

US-CL-CURRENT: 436/510; 435/7.1, 435/7.92, 435/969, 435/970, 436/518, 436/525,  
436/527, 436/528, 436/531, 436/534, 436/805, 436/810, 436/818

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KNOW | Drawn De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|----------|

☐ 10. Document ID: US 5677194 A

L1: Entry 10 of 18

File: USPT

Oct 14, 1997

US-PAT-NO: 5677194

DOCUMENT-IDENTIFIER: US 5677194 A

TITLE: Process for rapid measurement of trace components

DATE-ISSUED: October 14, 1997

## INVENTOR-INFORMATION:

| NAME               | CITY      | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Satomura; Shinji   | Amagasaki |       |          | JP      |
| Katoh; Hideo       | Amagasaki |       |          | JP      |
| Nakamura; Kenji    | Amagasaki |       |          | JP      |
| Hirayasu; Kazunari | Amagasaki |       |          | JP      |

US-CL-CURRENT: 436/501, 435/7.92, 435/7.93, 435/7.94, 436/530, 436/536, 436/538,  
436/539, 436/540, 436/541, 436/805, 436/824, 436/827

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KNAC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 11. Document ID: US 5529752 A

L1: Entry 11 of 18

File: USPT

Jun 25, 1996

US-PAT-NO: 5529752

DOCUMENT-IDENTIFIER: US 5529752 A

TITLE: Analytical work station

DATE-ISSUED: June 25, 1996

## INVENTOR-INFORMATION:

| NAME             | CITY           | STATE | ZIP CODE | COUNTRY |
|------------------|----------------|-------|----------|---------|
| Pontis; George   | Palo Alto      | CA    |          |         |
| Lacy; Michael    | Ben Lomand     | CA    |          |         |
| Drbal; Vladimir  | Belmont        | CA    |          |         |
| Chow; Calvin     | Portola Valley | CA    |          |         |
| Smith; Thomas    | Palo Alto      | CA    |          |         |
| Smethers; Rick   | Milpitas       | CA    |          |         |
| Ross; Debra A.   | Redwood City   | CA    |          |         |
| Kirk; Gregory    | Redwood City   | CA    |          |         |
| Briggs; Jonathan | Los Altos      | CA    |          |         |
| Leytes; Lev      | Palo Alto      | CA    |          |         |
| Mehta; Suresh N. | Pleasanton     | CA    |          |         |

US-CL-CURRENT: 422/63, 422/100, 422/101, 422/58, 422/81, 422/82.05, 436/174,  
436/177, 436/43, 436/46

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 12. Document ID: US 5427959 A

L1: Entry 12 of 18

File: USPT

Jun 27, 1995

US-PAT-NO: 5427959

DOCUMENT-IDENTIFIER: US 5427959 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Apparatus and method for measuring specimen

DATE-ISSUED: June 27, 1995

## INVENTOR-INFORMATION:

| NAME                | CITY      | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Nishimura; Matsuomi | Ohmiya    |       |          | JP      |
| Tanaka; Kazumi      | Yokohama  |       |          | JP      |
| Miyazaki; Takeshi   | Ebina     |       |          | JP      |
| Takayama; Hidehito  | Chigasaki |       |          | JP      |
| Ohnishi; Toshikazu  | Machida   |       |          | JP      |

US-CL-CURRENT: 436/534, 356/244, 356/246, 422/101, 422/102, 422/58, 422/72, 422/73,  
436/164, 436/165, 436/172, 436/531, 436/533, 436/536, 436/538, 436/541, 436/805,  
436/807, 436/808, 436/809, 436/810, 436/824, 436/908

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 13. Document ID: US 5252293 A

L1: Entry 13 of 18

File: USPT

Oct 12, 1993

US-PAT-NO: 5252293

DOCUMENT-IDENTIFIER: US 5252293 A

TITLE: Analytical slide with porous filter membrane

DATE-ISSUED: October 12, 1993

## INVENTOR-INFORMATION:

| NAME             | CITY           | STATE | ZIP CODE | COUNTRY |
|------------------|----------------|-------|----------|---------|
| Drbal; Vladimir  | Belmont        | CA    | 94006    |         |
| Chow; Calvin     | Portola Valley | CA    | 94025    |         |
| Smethers; Rick   | Milpitas       | CA    | 95035    |         |
| Ross; Debra A.   | Redwood City   | CA    | 94062    |         |
| Kirk; Gregory    | Redwood City   | CA    | 94062    |         |
| Briggs, Jonathan | Los Altos      | CA    | 94022    |         |
| Leytes; Lev      | Palo Alto      | CA    | 94306    |         |



Mehta; Suresh N.                      Pleasanton                      CA                      94566

US-CL-CURRENT: 422/101; 422/56, 422/57, 422/58, 435/7.1, 435/7.5, 435/970, 436/169

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|

☐ 14. Document ID: US 5246829 A

L1: Entry 14 of 18

File: USPT

Sep 21, 1993

US-PAT-NO: 5246829

DOCUMENT-IDENTIFIER: US 5246829 A

TITLE: Products for separation applicable to cells in the immunopurification field

DATE-ISSUED: September 21, 1993

INVENTOR-INFORMATION:

| NAME                  | CITY             | STATE | ZIP CODE | COUNTRY |
|-----------------------|------------------|-------|----------|---------|
| Delaage; Michel       | Bouches-du-Rhone |       |          | FR      |
| Drocourt; Jean-Louis  | Bouches-du-Rhone |       |          | FR      |
| Hirn; Joelle          | Bouches-du-Rhone |       |          | FR      |
| van Agthoven; Andreas | Bouches-du-Rhone |       |          | FR      |

US-CL-CURRENT: 435/2; 435/174, 435/177, 435/180, 435/239, 435/243, 435/30

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|

☐ 15. Document ID: US 5198368 A

L1: Entry 15 of 18

File: USPT

Mar 30, 1993

US-PAT-NO: 5198368

DOCUMENT-IDENTIFIER: US 5198368 A

TITLE: Methods for performing a solid-phase immunoassay

DATE-ISSUED: March 30, 1993

INVENTOR-INFORMATION:

| NAME              | CITY         | STATE | ZIP CODE | COUNTRY |
|-------------------|--------------|-------|----------|---------|
| Khalil; Omar S.   | Libertyville | IL    |          |         |
| Hanna; Charles F. | Libertyville | IL    |          |         |
| Zurek; Thomas F.  | River Forest | IL    |          |         |

US-CL-CURRENT: 436/518; 422/56, 422/58, 422/947, 435/810, 436/178, 436/180,  
436/527, 436/528, 436/805, 436/807, 436/809 , 436/810

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|-----|----------|

☐ 16. Document ID: US 5116724 A

L1: Entry 16 of 18

File: USPT

May 26, 1992

US-PAT-NO: 5116724

DOCUMENT-IDENTIFIER: US 5116724 A

TITLE: Products for separation applicable to cells in the immunopurification field

DATE-ISSUED: May 26, 1992

## INVENTOR-INFORMATION:

| NAME                  | CITY       | STATE | ZIP CODE | COUNTRY |
|-----------------------|------------|-------|----------|---------|
| Delaage; Michel       | Marseilles |       |          | FR      |
| Drocourt; Jean-Louis  | Marseilles |       |          | FR      |
| Hirn; Joelle          | Marseilles |       |          | FR      |
| van Agthoven; Andreas | Marseilles |       |          | FR      |

US-CL-CURRENT: 435/2, 435/174, 435/177, 435/180, 435/239, 435/243, 435/30, 604/408, 604/416

|      |       |          |       |        |                |      |           |  |  |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 17. Document ID: US 5100805 A

L1: Entry 17 of 18

File: USPT

Mar 31, 1992

US-PAT-NO: 5100805

DOCUMENT-IDENTIFIER: US 5100805 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Quantitative immunoassay system and method for agglutination assays

DATE-ISSUED: March 31, 1992

## INVENTOR-INFORMATION:

| NAME                 | CITY         | STATE | ZIP CODE | COUNTRY |
|----------------------|--------------|-------|----------|---------|
| Ziege; Garth E.      | Sheridan     | IN    |          |         |
| Andrews; Patricia C. | Camby        | IN    |          |         |
| Indriksons; Andris   | Zionsville   | IN    |          |         |
| Kay; Lawrence E.     | Greenwood    | IN    |          |         |
| Wright; Jeffrey E.   | Indianapolis | IN    |          |         |
| Maude; Daniel A.     | Indianapolis | IN    |          |         |

US-CL-CURRENT: 436/517, 422/57, 422/61, 422/62, 422/63, 422/67, 422/73, 422/82.05, 436/531, 436/533, 436/534, 436/805, 436/807

|      |       |          |       |        |                |      |           |  |  |        |      |        |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|--------|

☐ 18. Document ID: US 4960692 A

L1: Entry 18 of 18

File: USPT

Oct 2, 1990

US-PAT-NO: 4960692

DOCUMENT-IDENTIFIER: US 4960692 A

TITLE: Assay employing binding pair members on particles and on a filter or membrane

DATE-ISSUED: October 2, 1990

## INVENTOR-INFORMATION:

| NAME                         | CITY         | STATE | ZIP CODE | COUNTRY |
|------------------------------|--------------|-------|----------|---------|
| <u>Lentrichia</u> ; Brian B. | Mahwah       | NJ    |          |         |
| Turanchik; Michael F.        | Stoney Point | NY    |          |         |

US-CL-CURRENT: 435/7.92; 435/7.5, 435/7.93, 435/7.94, 435/810, 435/975, 436/518, 436/528, 436/531, 436/533, 436/808

|      |       |          |       |        |                |      |           |  |  |        |      |          |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWAC | Draw. De |
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☐ 1. Document ID: US 20050136405 A1

L2: Entry 1 of 52

File: PGPB

Jun 23, 2005

DOCUMENT-IDENTIFIER: US 20050136405 A1

TITLE: Novel method for the detection of cancer biomarkers in cervical specimens

INVENTOR:

Lentrichia, Brian

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 2. Document ID: US 20050069900 A1

L2: Entry 2 of 52

File: PGPB

Mar 31, 2005

DOCUMENT-IDENTIFIER: US 20050069900 A1

TITLE: Analyte sample detection

INVENTOR:

Lentrichia, Brian B.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 3. Document ID: US 20050069867 A1

L2: Entry 3 of 52

File: PGPB

Mar 31, 2005

DOCUMENT-IDENTIFIER: US 20050069867 A1

TITLE: Apparatus and method for separating viral particles from cells

INVENTOR:

Lentrichia, Brian B.

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|--------|
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☐ 4. Document ID: US 20040115692 A1

L2: Entry 4 of 52

File: PGPB

Jun 17, 2004

DOCUMENT-IDENTIFIER: US 20040115692 A1

TITLE: Methods, compositions and apparatuses for detecting a target in a preservative solution

INVENTOR:Lentrichia, Brian B.

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
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☐ 5. Document ID: US 20030143529 A1

L2: Entry 5 of 52

File: PGPB

Jul 31, 2003

DOCUMENT-IDENTIFIER: US 20030143529 A1

TITLE: Detection and typing of human papillomavirus using PNA probes

INVENTOR:Lentrichia, Brian

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
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☐ 6. Document ID: US 20030108866 A1

L2: Entry 6 of 52

File: PGPB

Jun 12, 2003

DOCUMENT-IDENTIFIER: US 20030108866 A1

TITLE: Detection and typing of human papillomavirus using PNA probes

INVENTOR:Lentrichia, Brian

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
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☐ 7. Document ID: US 20020155427 A1

L2: Entry 7 of 52

File: PGPB

Oct 24, 2002

DOCUMENT-IDENTIFIER: US 20020155427 A1

TITLE: Detection and typing of human papillomavirus using PNA probes

INVENTOR:Lentrichia, Brian

|      |       |          |       |        |                |      |           |           |             |        |      |          |
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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☐ 8. Document ID: US 20020150937 A1

L2: Entry 8 of 52

File: PGPB

Oct 17, 2002

DOCUMENT-IDENTIFIER: US 20020150937 A1

TITLE: Nucleic acid extraction solution and use thereof

INVENTOR:Lentrichia, Brian

|      |       |          |       |        |                |      |           |           |             |        |      |          |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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☐ 9. Document ID: US 20010002316 A1

L2: Entry 9 of 52

File: PGPB

May 31, 2001

DOCUMENT-IDENTIFIER: US 20010002316 A1

TITLE: Light scatter-based immunoassay

Summary of Invention Paragraph:

[0009] The presence of interfering substances in body fluids however, has inhibited otherwise promising homogeneous immunoassay approaches from meeting the high sensitivity requirements of many medically important tests, such as are met by ELISA and RIA. For reviews of this problem see, for example, Masson et al., Methods in Enzymology, 74:115(1981) and Collett-Cassart et al., Clin Chem., 27:64 (1981). By contrast, methods according to preferred embodiments of the present invention provide immunoassays that can be free from non-specific interferences, at least to a sensitivity level of about  $5 \times 10^{-13}$  M. This level of sensitivity is two to three orders of magnitude greater than prior art homogeneous latex bead agglutination assays. See, e.g., alpha-fetoprotein ( $3 \times 10^{-10}$  M, Collett-Cassart et al., above), urinary HCG ( $6 \times 10^{-11}$  M, Lentrichia et al., J. Immunol. Meth., 89:657(1986) (but exhibiting only an 87% correlation with RIA at analyte levels 20 times the claimed sensitivity limit), and serum digoxin by a fluorescence depolarization method ( $3 \times 10^{-10}$  M, S. Wong in D. Chan, ed., Immunoassay Automation, Academic Press, 1992, p. 329).

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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
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☐ 10. Document ID: US 6939672 B2

L2: Entry 10 of 52

File: USPT

Sep 6, 2005

DOCUMENT-IDENTIFIER: US 6939672 B2

TITLE: Nucleic acid extraction solution and use thereof

INVENTOR (1):Lentrichia; BrianInventor Group (1):Lentrichia; Brian Acton MAOther Reference Publication (1):

Lentrichia BB et al, "Detection of Chlamydia trachomatis and Neisseria gonorrhea from liquid-based Pap collection using a novel extraction method and rapid thermal cycling with real-time detection by molecular Beacons", International Journal of Std & AIDS, vol. 12, No. Supplemental 2, 2001, p. 115, XP00811932.

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| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw De |
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☐ 11. Document ID: US 6936443 B2

L2: Entry 11 of 52

File: USPT

Aug 30, 2005

DOCUMENT-IDENTIFIER: US 6936443 B2

TITLE: Detection and typing of human papillomavirus using PNA probes

INVENTOR (2):Lentrichia; BrianInventor Group (2):Lentrichia; Brian Acton MA

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| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw De |
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☐ 12. Document ID: US 6534320 B2

L2: Entry 12 of 52

File: USPT

Mar 18, 2003

DOCUMENT-IDENTIFIER: US 6534320 B2

TITLE: Process for immunochromatography with colloidal particles

US Reference Patentee Name (29):Lentrichia et al.US Reference Group (29):

4960692 19901000 Lentrichia et al. 435/7

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
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☐ 13. Document ID: US 6242264 B1

L2: Entry 13 of 52

File: USPT

Jun 5, 2001

DOCUMENT-IDENTIFIER: US 6242264 B1

TITLE: Self-assembled metal colloid monolayers having size and density gradients

US Reference Patentee Name (3):Lentrichia et al.US Reference Group (3):4960692 19901000 Lentrichia et al. 436/518

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
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☐ 14. Document ID: US 6200820 B1

L2: Entry 14 of 52

File: USPT

Mar 13, 2001

DOCUMENT-IDENTIFIER: US 6200820 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Light scatter-based immunoassay

Brief Summary Text (9):

The presence of interfering substances in body fluids however, has inhibited otherwise promising homogeneous immunoassay approaches from meeting the high sensitivity requirements of many medically important tests, such as aremet by ELISA and RIA. For reviews of this problem see, for example, Masson et al., Methods in Enzymology, 74:115(1981) and Collett-Cassart et al., Clin Chem., 27:64 (1981). By contrast, methods according to preferred embodiments of the present invention provide immunoassays that can be free from non-specific interferences, at least to a sensitivity level of about 5.times.10.sup.-13 M. This level of sensitivity is two to three orders of magnitude greater than prior art homogeneous; latex bead agglutination assays. See, e.g., alpha-fetoprotein (3.times.10.sup.-10 M, Collett-Cassart et al., above), urinary HCG (6.times.10.sup.-11 M, Lentrichia et al., J. Immunol Meth., 89:657(1986) (but exhibiting only an 87% correlation with RIA at analyte levels 20 times the claimed sensitivity limit), and serum digoxin by a fluorescence depolarization method (3.times.10.sup.-10 M, S. Wong in D. Chan, ed., Immunoassay Automation, Academic Press, 1992, p. 329).

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Draw D |
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☐ 15. Document ID: US 6168956 B1

L2: Entry 15 of 52

File: USPT

Jan 2, 2001

DOCUMENT-IDENTIFIER: US 6168956 B1

TITLE: Multiple component chromatographic assay device

US Reference Patentee Name (286):Lentrichia et al.US Reference Group (286):4960692 19901000 Lentrichia et al. 435/7

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Drawn De |
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☐ 16. Document ID: US 6022477 A

L2: Entry 16 of 52

File: USPT

Feb 8, 2000

DOCUMENT-IDENTIFIER: US 6022477 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method and apparatus for isolation purification of biomolecules

US Reference Patentee Name (2):Lentrichia et al.US Reference Group (2):4960692 19901000 Lentrichia et al.

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Drawn De |
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☐ 17. Document ID: US 6017767 A

L2: Entry 17 of 52

File: USPT

Jan 25, 2000

DOCUMENT-IDENTIFIER: US 6017767 A

TITLE: Assay device

US Reference Patentee Name (284):Lentrichia et al.US Reference Group (284):4960692 19901000 Lentrichia et al.

| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Drawn De |
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☐ 18. Document ID: US 5998220 A

L2: Entry 18 of 52

File: USPT

Dec 7, 1999

DOCUMENT-IDENTIFIER: US 5998220 A

TITLE: Opposable-element assay devices, kits, and methods employing them

US Reference Patentee Name (286):Lentrichia et al.US Reference Group (286):4960692 19901000 Lentrichia et al. 435/7

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☐ 19. Document ID: US 5877028 A

L2: Entry 19 of 52

File: USPT

Mar 2, 1999

DOCUMENT-IDENTIFIER: US 5877028 A

TITLE: Immunochromatographic assay device

US Reference Patentee Name (279):Lentrichia et al.US Reference Group (279):4960692 19901000 Lentrichia et al. 435/7

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| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWAC | Drawn De |
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☐ 20. Document ID: US 5827749 A

L2: Entry 20 of 52

File: USPT

Oct 27, 1998

DOCUMENT-IDENTIFIER: US 5827749 A

TITLE: Ligand assay method

US Reference Patentee Name (38):Lentrichia et al.US Reference Group (38):4960692 19901000 Lentrichia et al. 435/7.92

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| Full | Title | Citation | Front | Review | Classification | Date | Reference |  |  | Claims | KWIC | Drawn D. |
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